



Norman H. Bangerter
Governor

Suzanne Dandoy, M.D., M.P.H.
Executive Director

Kenneth L. Alkema
Director

DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

288 North 1460 West
P.O. Box 16690
Salt Lake City, Utah 84116-0690
(801) 538-6121

DOGMI
MINERALS PROGRAM
FILE COPY

June 14, 1989

Mr. R. J. Ramsey
Barney's Canyon Mine
P.O. Box 311
Bingham Canyon, Utah 84006-0311

Re: B.P. Minerals
Barney's Canyon Project
Revised Specifications

Dear Mr. Ramsey:

We have reviewed the revised leach pad and pond construction quality control specifications submitted by your office for review. We have the following concerns:

1. Reference 7.8.1 (page 8) must be revised as per our letter of 3 May 1989. A copy of the said letter is enclosed for your convenience. It specifies that:

"The Bureau will approve an amendment to the approved specifications...subject to the following conditions:

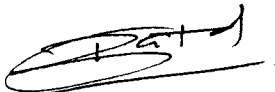
- a. A specification for the gradation of the material to be placed must be submitted for review prior to its use.
- b. Any particle greater than a 3-inch size shall be removed during compaction with a sheepsfoot type roller. This will require personnel on site to insure that 3-inch plus size particles are removed during the compaction process.
- c. The surface of the top clay liner shall have all rocks which could be detrimental to the HDPE liner removed."

These are the conditions upon which the use of this material was accepted. These requirements were reviewed numerous time during field construction inspections and it has been verified that heap leach pad BC-1 was constructed according to the above. All future pad construction must meet these conditions which the Bureau considers are at the maximum particle size limit.

Mr. R.J. Ramsey
Page Two

Please revise the referenced specifications and resubmit for further review. Should there be any questions please call.

Sincerely,



For

Kiran L. Bhayani, P.E., Manager
Design Evaluation Section
Bureau of Water Pollution Control

CGD/ag

cc: Ms. Cindy Enmons, B.P. Minerals

Mr. L.J. Jacobsen, Barney's Canyon Gold project

Mr. Kent Miner, Salt Lake City/County Health Department

Mr. Lowell Braxton, Division of Oil, Gas and Mining

4149y-64